Power Macintosh 8500/132 & 8500/150: Specifications (9/96)

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TOPIC --

This article contains the technical specifications of the Power Macintosh
8500/132 and 8500/150 series computers.

IMPORTANT: Another article in the Tech Info Library title, "Power Macintosh
8500/150 & 8500/180: Specifications" contains information about the latest
8500/150 configuration.

DISCUSSION --

Upgradable microprocessor
=========================
• PowerPC 604 microprocessor running at 132 MHz or 150 MHz, upgradable to a
higher-speed processor when available (up to 250 MHz)
• Integrated floating-point unit, 32K cache, and three integer units
• High-speed system bus (up to 50 MHz)

Memory
======
• 16 MB of RAM, expandable to 512 MB via 8 DIMM sockets
• 4 MB of ROM
• 256K level 2 cache

Disk drives
===========
• Internal 1.2 GB or 2 GB high-performance SCSI hard disk
• Internal Apple SuperDrive floppy disk drive
  — Accepts high-density 1.4 MB disks and 800K disks
  — Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS
disks
• Internal quadruple-speed
• Expansion bay for additional 3.5-inch hard disk

Interfaces
==========
• Three PCI expansion slots compatible with PCI 2.0-compliant cards
• Two high-speed DMA serial (RS-232/RS-422) ports compatible with LocalTalk and
GeoPort cables

- 10BASE-T and AAUI-15 Ethernet connectors; optional PC Compatibility Cards provide multinode support for simultaneous network connections
- Internal Fast SCSI bus (up to 10 MB/s)
- External SCSI bus (up to 5 MB/s)
- Apple Desktop Bus (ADB) expansion port
- RCA phono jacks for line-level stereo audio input and output
- Mini jacks for stereo audio input and output
- All sound ports support 16-bit audio and up to 44.1-kHz sampling rate
- DB-15 connector for monitor
- Composite connectors (RCA phono jacks) for composite video input and output
- S-video input and output connectors
- Internal digital audio/video (DAV) connector for video compression/decompression cards

Video input/output subsystem
============================
- 24-bit video input
  — Real-time video playthrough of up to 640x480 pixels with NTSC; 768x576 pixels with PAL and SECAM
  — Up to 320x240-pixel capture up to 25 frames per second with NTSC (with 2 GB drive)
  — Maximum capture size of 640x480 pixels with NTSC
- 24-bit video output
  — Support for NTSC and PAL
  — Convolution for flicker reduction at all bit depths

Graphics support
================
- 2 MB of VRAM, expandable to 4 MB
- Fast 64-bit data path to VRAM
- Support for display resolutions of up to 1,280x1,024 pixels
- 24-bit color up to 1,152x870-pixel resolution
- Refresh rate of up to 75 Hz

GeoPort telephony (Requires GeoPort Telecom Adapter)
==
- 14.4-Kbit/s modem support
- V.17 fax support
- GeoPort Fax and GeoPort Telephony software included
- Speakerphone and answering-machine capability

Clock/calendar
==============
- Custom integrated circuit with long-life battery

Keyboard and mouse
==================
- Supports ADB keyboards with numeric keypads
- Comes with an ADB Mouse II

Electrical requirements and compliance
======================================

- Line voltage: 100 to 240 V AC, RMS single phase, automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 225 W maximum, not including display

ADB power requirements
======================
- Maximum current draw for all devices: 500 mA
(a maximum of three ADB devices is recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA (varies with keyboard used)

Size and weight
===============
- Height: 14 in. (35.6 cm)
- Width: 7.7 in. (19.6 cm)
- Depth: 15.75 in. (40.0 cm)
- Weight: 25 lb. (11.3 kg)

Environmental requirements
==========================
- Operating temperature: 50° to 104° F (10° to 40° C)
- Storage temperature: −40° to 116° F (−40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Article Change History:
19 Sep 1996 - Updated processor card support.
12 Jul 1996 - Added additional informatin.
19 Apr 1996 - Updated information

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